BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

BYATARAYANAPURA SUB DIVISOIN

Pre Measurements

Name of the Work : **Construction of RCC Drain and Culverts at Bharathnagra Abubakar Masjid Road in ward no. 06 Byatarayanapura Sub Division**

Work Code : **006-20-000171**

Scanned by CamScanner

BRUHATH BANGALORE MAHANAGARAPALIKE
YELAHANKA ZONE
Pre Measurements

Name of work: Construction of RCC Drain and Culverts at Bharathnagra Abubakar Masjid Road in ward no. 06 Byatarayanapura Sub Division

Work Order No: BBMP/EE/BTP/WO/158/2020-21 dt: 10.12.2020

JOB NUMBER: 006-20-000171

Estimate Cost: 90.00 lakhs.

Name of Contractor : Sri. M.L Dhananjaya

Sl No	Description of item	Unit	No	L	B	D	Qty
1	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. Item No. 19.1/ PWD SR 2018-19						
A	For RCC Drain	Cum					
a	Abubukar Masjid road R/s upto SWD		1	38.00	1.20	1.10	50.16
			1	18.80	1.20	1.10	24.82
			1	19.20	1.20	1.10	25.34
			1	30.50	1.20	1.20	43.92
			1	24.10	1.20	1.20	34.70
			1	9.60	1.05	1.20	12.10
b	Abubukar Masjid road R/s from SWD to end		1	31.60	1.20	1.45	54.98
			1	24.00	1.20	1.40	40.32
			1	26.00	1.05	1.35	36.86
			1	30.00	1.05	1.30	40.95
			1	28.00	1.20	1.20	40.32
			1	100.00	1.20	1.10	132.00
			1	24.00	1.20	1.10	31.68
c	Abubukar Masjid road L/s from SWD to end		1	36.20	1.20	1.45	62.99
			1	51.60	1.05	1.40	75.85
			1	24.00	1.05	1.35	34.02
			1	25.00	1.05	1.30	34.13
			1	25.20	1.05	1.25	33.08
			1	25.00	1.05	1.20	31.50
			1	25.20	1.05	1.10	29.11
d	Gupta layout main road		1	18.00	1.35	1.35	32.81
			1	12.00	1.50	1.40	25.20
B	For culverts						
a	Abubukar Masjid road R/s upto SWD		1	3.75	1.80	1.10	7.43
	CD1		1	3.90	1.80	1.10	7.72
	CD2		1	4.40	1.80	1.10	8.71
	CD3		1	5.00	1.80	1.05	9.45
	CD4						
b	Abubukar Masjid road R/s from SWD to end		1	6.70	1.80	1.05	12.66
	CD5		1	4.20	1.50	1.10	6.93
	CD6		1	6.20	1.80	1.05	11.72
	CD7		1	4.70	1.50	1.05	7.40
	CD8		1	2.40	1.50	1.10	3.96
	CD9						
c	Abubukar Masjid road L/s from SWD to end		1	4.30	1.50	1.10	7.10
	CD10		1	4.20	1.50	1.05	6.62
	CD11						

926.82

89.21

Assistant Engineer
Ward No. 06

Assistant Executive Engineer
Byatarayanapura Sub Division

Measurement contuned on dated: 15.02.2021

Scanned by CamScanner

	CD12						
	CD13		1	6.00	1.50	1.10	9.90
	CD14		1	6.00	1.80	1.00	10.80
	CD15		1	5.80	1.50	1.05	9.14
C	drain desilting		1	4.60	1.50	1.10	7.59
	Abubukar masjid main road L/s connecting road						
			1	22.00	0.60	1.05	13.86
			1	24.20	0.60	0.95	13.79
			1	12.90	0.60	0.90	6.97
			1	34.75	0.60	0.80	16.68

Assistant Engineer
Ward No. 06
Measurement contuned on dated: 22.02.2024

Assistant Executive Engineer
Byatarayanapura Sub Division

88.73

D	for removing additional earth						
a	Abubukar Masjid road R/s upto SWD		1	38.00	2.55	0.40	38.76
			1	18.80	2.45	0.45	20.73
			1	19.20	2.45	0.40	18.82
			1	30.50	2.55	0.45	35.00
			1	24.10	2.40	0.40	23.14
			1	9.60	2.50	0.45	10.80
b	Abubukar Masjid road R/s from SWD to end		1	31.60	2.30	0.45	32.71
			1	24.00	2.35	0.45	25.38
			1	26.00	2.45	0.45	28.67
			1	30.00	2.50	0.45	33.75
			1	28.00	2.40	0.45	30.24
			1	100.00	2.45	0.45	110.25
			1	24.00	2.50	0.40	24.00
c	Abubukar Masjid road L/s from SWD to end		1	36.20	2.55	0.45	41.54
			1	51.60	2.50	0.45	58.05
			1	24.00	2.45	1.45	85.26
			1	25.00	2.55	0.45	28.69
			1	25.20	2.50	0.40	25.20
			1	25.00	2.60	0.45	29.25
			1	25.20	2.55	0.45	28.92
d	Abubukar masjid main road L/s connecting road		1	22.00	2.30	0.45	22.77
			1	24.20	2.35	0.45	25.59
			1	12.90	2.40	0.40	12.38
			1	34.75	2.30	0.45	35.97
e	cross roads-1 near masjid		1	30.00	2.60	0.35	27.30
			1	24.50	2.55	0.40	24.99
			1	26.00	2.50	0.45	29.25
	cross roads-2 near masjid		1	27.00	2.55	0.35	24.10
			1	24.00	2.60	0.40	24.96
			1	27.00	2.45	0.45	29.77
	cross roads-3 near masjid		1	28.00	2.45	0.45	30.87
			1	26.00	2.50	0.40	26.00
			1	24.50	2.45	0.45	27.01
	ali masjid road near manyatra compoud		1	30.00	4.15	0.45	56.03
			1	28.00	4.35	0.40	48.72
			1	27.00	4.30	0.45	52.25
			1	24.00	4.20	0.40	40.32
	cross road		1	29.00	4.15	0.45	54.16
			1	28.00	3.90	0.40	43.68
				1365.24	Total Qty		2470.49
					Qty Ltd to		2470.23

Assistant Engineer
Ward No. 06
Measurement contuned on dated:

Assistant Executive Engineer
Byatarayanapura Sub Division

Scanned by CamScanner

KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (PWD SR 2018-19 (Page No. 222, Item No. 27.18)

A	**For RCC Drain**	**Cum**					
a	Abubukar Masjid road R/s upto SWD		1	38.00	1.20	0.15	6.84
			1	18.80	1.20	0.15	3.38
			1	19.20	1.20	0.15	3.46
			1	30.50	1.20	0.15	5.49
			1	24.10	1.20	0.15	4.34
			1	9.60	1.05	0.15	1.51
b	Abubukar Masjid road R/s from SWD to end		1	31.60	1.20	0.15	5.69
			1	24.00	1.20	0.15	4.32
			1	26.00	1.05	0.15	4.10
			1	30.00	1.05	0.15	4.73
			1	28.00	1.20	0.15	5.04
			1	100.00	1.20	0.15	18.00
			1	24.00	1.20	0.15	4.32
c	Abubukar Masjid road L/s from SWD to end		1	36.20	1.20	0.15	6.52
			1	51.60	1.05	0.15	8.13
			1	24.00	1.05	0.15	3.78
			1	25.00	1.05	0.15	3.94
			1	25.20	1.05	0.15	3.97
			1	25.00	1.05	0.15	3.94
			1	25.20	1.05	0.15	3.97
d	Gupta layout main road		1	18.00	1.05	0.15	2.84
			1	12.00	1.50	0.15	2.70

110.98

Assistant Engineer
Ward No. 06
Measurement contuned on dated: 04.03.2021

Assistant Executive Engineer
Byatarayanapura Sub Division

B	**For culverts**						
a	Abubukar Masjid road R/s upto SWD		1	3.75	1.80	0.15	1.01
			1	3.90	1.80	0.15	1.05
			1	4.40	1.80	0.15	1.19
			1	5.00	1.80	0.15	1.35
b	Abubukar Masjid road R/s from SWD to end		1	6.70	1.80	0.15	1.81
			1	4.20	1.50	0.15	0.95
			1	6.20	1.80	0.15	1.67
			1	4.70	1.50	0.15	1.06
			1	2.40	1.50	0.15	0.54
c	Abubukar Masjid road L/s from SWD to end		1	4.30	1.50	0.15	0.97
			1	4.20	1.50	0.15	0.95
			1	6.00	1.50	0.15	1.35
			1	6.00	1.80	0.15	1.62
			1	5.80	1.50	0.15	1.31
			1	4.60	1.50	0.15	1.04

17.85

Assistant Engineer
Ward No. 06
Measurement contuned on dated:

Assistant Executive Engineer
Byatarayanapura Sub Division

h	Drain repair						
	Abubukar masjid main road L/s connecting road		1	22.00	0.60	0.15	1.98
			1	24.20	0.60	0.15	2.18
			1	12.90	0.60	0.15	1.16
			1	34.75	0.60	0.15	3.13
	drain connection R/s		1	6.00	1.10	0.15	0.99

Scanned by CamScanner

	For Cd Ramps		2	6.70	0.60	0.15	1.21
			2	4.20	0.60	0.15	0.76
			2	6.20	0.60	0.15	1.12
			2	6.00	0.65	0.15	1.17
			2	5.80	0.60	0.15	1.04
						Total Qty	143.56
						Qty Ltd to	143.55

Assistant Engineer
Ward No. 06

Assistant Executive Engineer
Byatarayanapura Sub Division

3	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, HOM, scaffolding, curing complete as per specifications. KBS 5.1.13 Page No. 255/ Item No. 34.9/ PWD SR 2018-19						
	Culverts	**Cum**					
a	Abubukar Masjid road R/s upto SWD		2	3.75	0.60	0.60	2.70
			2	3.90	0.60	0.60	2.81
			2	4.40	0.60	0.60	3.17
			2	5.00	0.60	0.60	3.60
b	Abubukar Masjid road R/s from SWD to end		2	6.70	0.60	0.80	6.43
			2	4.20	0.60	0.60	3.02
			2	6.20	0.60	0.60	4.46
			2	4.70	0.60	0.60	3.38
			2	2.40	0.60	0.60	1.73
c	Abubukar Masjid road L/s from SWD to end		2	4.30	0.60	0.60	3.09
			2	4.20	0.60	0.60	3.02
			2	6.00	0.60	0.60	4.32
			2	6.00	0.60	0.60	4.32
			2	5.80	0.60	0.60	4.18
			2	4.60	0.60	0.60	3.31
						Total Qty	53.56
						Qty Ltd to	52.80

Assistant Engineer
Ward No. 06

Assistant Executive Engineer
Byatarayanapura Sub Division

4	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc. and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.(PWD Sr 2018-19 P 16 It 4.31)						
	For RCC Drain	**Sqm**					
a	Abubukar Masjid road R/s upto SWD		4	38.00		0.75	114.00
			4	18.80		0.75	56.40
			4	19.20		0.75	57.60
			4	30.50		0.90	109.80
			4	24.10		0.90	86.76
			4	9.60		0.90	34.56
b	Abubukar Masjid road R/s from SWD to end		4	31.60		1.10	139.04
			4	24.00		1.00	96.00
			4	26.00		1.00	104.00
			4	30.00		0.90	108.00
			4	28.00		0.90	100.80
			4	100.00			400.00
			4	24.00		0.80	76.80

1443.76

Assistant Engineer
Ward No. 06

Assistant Executive Engineer
Byatarayanapura Sub Division

Measurement contuned on dated:

Scanned by CamScanner

	Drain repair						
	Abubukar Masjid road L/s from SWD to end		4	36.20		1.10	159.28
			4	51.60		1.10	227.04
			4	24.00		1.00	96.00
			4	25.00		0.90	90.00
			4	25.20		0.90	90.72
			4	25.00		0.90	90.00
			4	25.20		0.90	90.72
d	Gupta layout main road		4	18.00		0.90	64.80
			4	12.00		0.90	43.20
					Total Qty		2395.52

Assistant Engineer
Ward No. 06

Assistant Executive Engineer
Byatarayanapura Sub Division

5	KSRB 2.20.1 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2/P No. 13/ Item No. 4.7/ PWD SR 2018-19						
	For culvert vent	**cum**					
a	Abubukar Masjid road R/s upto SWD		1	3.75	0.60	0.10	0.23
			1	3.90	0.60	0.10	0.23
			1	4.40	0.60	0.10	0.26
			1	5.00	0.60	0.10	0.30
b	Abubukar Masjid road R/s from SWD to end		1	6.70	0.60	0.10	0.40
			1	4.20	0.60	0.10	0.25
			1	6.20	0.60	0.10	0.37
			1	4.70	0.60	0.10	0.28
			1	2.40	0.60	0.10	0.14
c	Abubukar Masjid road L/s from SWD to end		1	4.30	0.60	0.10	0.26
			1	4.20	0.60	0.10	0.25
			1	6.00	0.60	0.10	0.36
			1	6.00	0.60	0.10	0.36
			1	5.80	0.60	0.10	0.35
			1	4.60	0.60	0.10	0.28
	For wall coping						
d	Abubukar Masjid road R/s upto SWD		2	3.75	0.60	0.10	0.45
			2	3.90	0.60	0.10	0.47
			2	4.40	0.60	0.10	0.53
			2	5.00	0.60	0.10	0.60
			2	6.70	0.60	0.10	0.80
e	Abubukar Masjid road R/s from SWD to end		2	4.20	0.60	0.10	0.50
			2	6.20	0.60	0.10	0.74
			2	4.70	0.60	0.10	0.56
			2	2.40	0.60	0.10	0.29
			2	4.30	0.60	0.10	0.52
f	Abubukar Masjid road L/s from SWD to end		2	4.20	0.60	0.10	0.50
			2	6.00	0.60	0.10	0.72
			2	6.00	0.60	0.10	0.72
			2	5.80	0.60	0.10	0.70
			2	4.60	0.60	0.10	0.55
			1	22.00	0.60	0.15	1.98
	Abubukar masjid main road L/s connecting road		1	24.20	0.60	0.10	1.45
			1	12.90	0.60	0.10	0.77
			1	34.75	0.90	0.10	3.13
						Total Qty	20.32
						Qty Ltd to	17.55

Assistant Engineer
Ward No. 06

Assistant Executive Engineer
Byatarayanapura Sub Division

Scanned by CamScanner

KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification. TMT Bar Fe-500, Page No. 229/ Item No. 28.8.2, PWD SR 2018-19

	10 MM Dia bars	Tonne						
a	Abubukar Masjid road R/s upto SWD	2	317	2.10	1330.00			
		2	157	2.20	689.33			
		2	160	2.30	736.00			
		2	254	2.35	1194.58			
		2	201	2.35	943.92			
		2	80	2.40	384.00			
			1168		0.00			
b	Abubukar Masjid road R/s from SWD to end	2	263	2.45	1290.33			
		2	200	2.40	960.00			
		2	217	2.30	996.67			
		2	250	2.30	1150.00			
		2	233	2.30	1073.33			
		2	833	2.20	3666.67			
		2	200	2.20	880.00			
			2197		0.00			
				Total	15294.83	0.62		9482.80
	8MM Bars							
a	Abubukar Masjid road R/s upto SWD	15	38.00		570.00			
		15	18.80		282.00			
		16	19.20		307.20			
		18	30.50		549.00			
		18	24.10		433.80			
		20	9.60		192.00			
b	Abubukar Masjid road R/s from SWD to end	20	31.60		632.00			
		20	24.00		480.00			
		16	26.00		416.00			
		16	30.00		480.00			
		16	28.00		448.00			
		16	100.00		1600.00			
		16	24.00		384.00			
				Total	6774.00	0.39		2641.86

Assistant Engineer
Ward No. 06

Assistant Executive Engineer
Byatarayanapura Sub Division

Measurement contuned on dated: 10.03.2024

	10MM Dia Bar							
c	Abubukar Masjid road L/s from SWD to end	2	302	2.40	1448.00			
		2	430	2.30	1978.00			
		2	200	2.30	920.00			
		2	208	2.25	937.50			
		2	210	2.20	924.00			
		2	208	2.20	916.67			
		2	210		0.00			
			1768		0.00			
d	Gupta layout main road	2	150	2.30	690.00			
		2	100	2.30	460.00			
				Total	8274.17	0.62		5129.98
	8mm dia bars							
c	Abubukar Masjid road L/s from SWD to end	20	36.20		724.00			
		20	51.60		1032.00			
		16	24.00		384.00			
		16	25.00		400.00			
		16	25.20		403.20			
		16	25.00		400.00			

3343.20

Scanned by CamScanner

	16	25.20		403.20		
				0.00		
Gupta layout main road	16	18.00		288.00		
	16	12.00	883.20	192.00		
for slabs Gupta layout			Total	4226.40	0.39	1648.30
16 mm	10x30	0.75		225.00		
	10x20	1.20		240.00		
			Total	465.00	1.58	734.70
8 mm rings	6x30	1.70		306.00		
	9x20	1.70		306.00		
			Total	612.00	0.39	238.68
				Total in Kgs		**19876.32**
				in Tonnes		**19.88**
				Total Qty		**19.88**

10.03.2024

Assistant Engineer
Ward No. 66

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

10/3/24

Assistant Executive Engineer
Byatarayanapura Sub Division

ಸಹಾಯಕ ಕಾರ್ಯ ಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

Scanned by CamScanner